

# Olivin Spindeltischdaten, gemessen in Bromnaphthalin

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## 1 Beschreibung

Olivin. Immersion in Bromnaphthalin ,  $n_{580} = 1.6583$  bei 20 Grad Celsius.

### 1.1 Optimierter Azimuth

#### 1.1.1 Achswinkel $2V$ :

	Estimate	SE	CI_l	CI_u
2V	87.54	1.33	84.93	90.14

### 1.1.2 Kartesische Koordinaten der Achsen:

	parameter	Estimate	SE	CI_l	CI_u
1	OA1x	-0.51	0.01	-0.53	-0.50
2	OA1y	0.06	0.01	0.04	0.08
3	OA1z	0.86	0.01	0.85	0.87
4	OA2x	0.88	0.01	0.87	0.89
5	OA2y	0.04	0.01	0.02	0.07
6	OA2z	0.47	0.01	0.45	0.50
7	ONx	0.01	0.01	-0.01	0.02
8	ONy	-1.00	0.00	-1.00	-0.99
9	ONz	0.08	0.02	0.05	0.11
10	ABx	-0.96	0.00	-0.97	-0.96
11	ABy	0.01	0.00	0.01	0.02
12	ABz	0.26	0.00	0.26	0.27
13	OBx	0.26	0.00	0.26	0.27
14	OBz	0.08	0.02	0.05	0.11
15	OBz	0.96	0.00	0.96	0.96

### 1.1.3 Sphärische Koordinaten der Achsen:

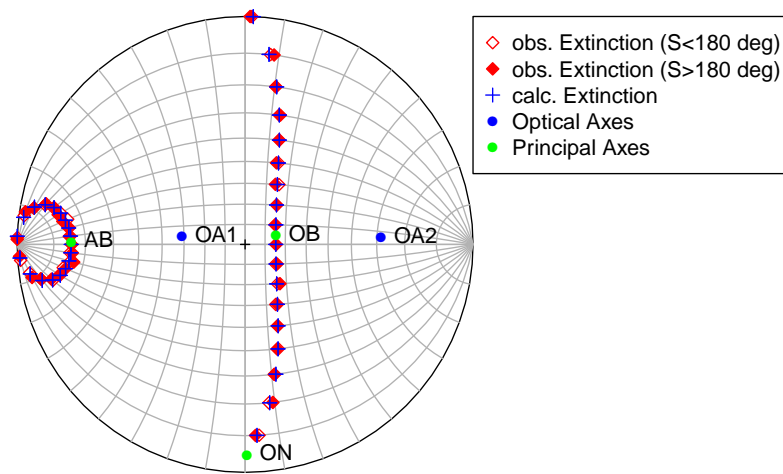
	Parameter	Estimate	SE	CI_l	CI_u
1	OA1 S	85.81	0.66	84.51	87.10
2	OA1 ES	120.92	0.58	119.78	122.06
3	OA2 S	84.74	1.56	81.69	87.78
4	OA2 ES	28.46	0.76	26.97	29.95
5	ON S	175.54	0.87	173.84	177.25
6	ON ES	89.56	0.38	88.81	90.31
7	AB S	87.14	0.64	85.88	88.41
8	AB ES	164.68	0.12	164.44	164.93
9	OB S	85.42	0.97	83.52	87.33
10	OB ES	74.69	0.12	74.44	74.93

#### 1.1.4 Winkel, die die Hauptachsen in die Drehtischebene bringen

	Axis	S	MS(EW)	MS(NS)
1	AB	87.14	164.01	74.01
2	OB	85.42	74.01	164.01
3	ON	175.54	88.89	178.89

### 1.1.5 Daten im Wulffschen Netz

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## [1] "Wulffnet"
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### **1.1.6    Gemessene und berechnete Extinktionen**

	S	MS	ES obs.	ES calc.	ES obs. - ES calc.
1	0	357.60	178.28	177.94	0.33
2	10	351.80	172.48	172.93	-0.45
3	20	349.00	169.68	169.32	0.35
4	30	346.50	167.18	167.10	0.08
5	40	345.40	166.08	165.86	0.21
6	50	344.50	165.18	165.23	-0.05
7	60	343.50	164.18	164.92	-0.75
8	70	343.90	164.58	164.78	-0.21
9	80	344.10	164.78	164.71	0.06
10	90	343.80	164.48	164.67	-0.20
11	100	344.20	164.88	164.66	0.22
12	110	343.60	164.28	164.70	-0.43
13	120	345.00	165.68	164.89	0.79
14	130	344.80	165.48	165.38	0.10
15	140	345.60	166.28	166.42	-0.14
16	150	348.10	168.78	168.38	0.39
17	160	351.30	171.98	171.70	0.28
18	170	355.20	175.88	176.49	-0.61
19	180	0.60	1.28	2.06	-0.78
20	190	7.90	8.58	7.07	1.50
21	200	9.80	10.48	10.68	-0.20
22	210	12.60	13.28	12.90	0.37
23	220	13.50	14.18	14.14	0.04
24	230	13.20	13.88	14.77	-0.90
25	240	13.50	14.18	15.08	-0.90
26	250	14.50	15.18	15.22	-0.04
27	260	14.20	14.88	15.29	-0.41
28	270	14.70	15.38	15.33	0.05
29	280	15.20	15.88	15.34	0.53
30	290	16.20	16.88	15.30	1.58
31	300	14.40	15.08	15.11	-0.04
32	310	13.60	14.28	14.62	-0.35
33	320	12.50	13.18	13.58	-0.41
34	330	10.30	10.98	11.62	-0.64
35	340	8.70	9.38	8.30	1.07
36	350	2.40	3.08	3.51	-0.44